

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-40 (canceled)

1 Claim 41 (original): A method for detecting target entities in
2 solution, the method comprising:
3 a) exposing a sensor coated with glycopolymer substrate to
4 a solution containing targets with target-associated
5 molecular patterns on their surfaces;
6 b) allowing specific binding between the target-associated
7 molecular patterns on the surface of the target and
8 glycopolymers of the sensor to occur; and
9 c) identifying specific binding, if any, between the
10 target-associated molecular patterns on the surfaces of the
11 targets and the glycopolymers of the sensor.

1 Claim 42 (original): The method of claim 41 wherein the act of
2 identifying specific binding is based on a colorimetric
3 reaction.

1 Claim 43 (original): The method of claim 42 wherein the
2 colorimetric reaction is quantifiable by spectrophotometric
3 analysis.

1 Claim 44 (original): The method of claim 41 wherein the sensor
2 is an ELISA glycoconjugate sensor.

1 Claim 45 (original): The method of claim 41 wherein the
2 specific binding is a carbohydrate interaction with the target.

Claims 46-65 (canceled)

1 Claim 66 (original): The method of claim 41 further
2 comprising:
3 d) generating a binding curve from identified specific
4 bindings, if any, between the target-associated molecular
5 patterns on the surface of the target and the
6 glycopolymers of the sensor; and
7 e) identifying the target using the generated binding
8 curve.

1 Claim 67 (original): The method of claim 41 wherein the sensor
2 coated with glycopolymer substrate includes a number of areas,
3 each area having a glycopolymer with a different concentration
4 of glycoconjugates.

1 Claim 68 (original): The method of claim 41 wherein the sensor
2 coated with glycopolymer substrate includes a number of areas,
3 each area having a glycopolymer with a serially diluted
4 concentration of glycoconjugates.

Claims 69 and 70 (canceled)

1 Claim 71 (original): The method of claim 41 wherein the
2 target-associated molecular patterns are glycoconjugates.

Claims 72 and 73 (canceled)